

REMARKS

Claims 1-3 are pending. Claims 1-2 are amended by this Amendment. As support for the amendments can be found in the originally filed application, such as, for example, paragraphs [0005], [0006], [0031], [0034] and Figures 1-3 and 8, Applicants respectfully submit no new matter is presented.

Claims 1-3 Allowable

Applicants appreciate the indication by the Examiner that Claims 1-3 would be allowable if rewritten or amended to overcome the rejections under 35 U.S.C. §112, second paragraph.

Claims 1-3 Recite Patentable Subject Matter

Claims 1-3 are rejected under 35 U.S.C. §112, first and second paragraph.

With respect to the amendments made to the claims regarding the rejection under 35 U.S.C. §112, second paragraph, Applicants respectfully submit the amendments are believed to be responsive to the rejection. As such, Applicants respectfully submit the rejection under second paragraph should be withdrawn.

Regarding the rejection under 35 U.S.C. §112, first paragraph, Applicants provide the following comments.

Applicants note the Office Action states "[t]he claims recite an input to the solenoid from the controller where the input is defined as the sum of pressures multiplied by areas. It is not clear from the specification how this data is made usable by a solenoid or how it is used. Clarification without the introduction of new matter is required. The mathematical expression defines the force required to move the solenoid."

Applicants respectfully note that the input provided to the controller is defined by the claims as a sum of pressure differentials. The controller is connected to the solenoid coil section by a connection wire, which is identified by the specification and drawings by reference number 46 (see Figures 1-3). Paragraphs [0005], [0006], [0031] and [0034] clearly describe how an electric current is supplied to the solenoid coil section by the controller. As such, Applicants respectfully submit that one of ordinary skill in the art would readily understand that the magnitude of the electric current supplied to the solenoid coil section from the controller corresponds to the input or sum of the pressure differentials determined by the controller.

With respect to the amendments made to the claims regarding the rejection under 35 U.S.C. §112, first paragraph, Applicants respectfully submit the amendments are believed to be responsive to the rejection. As such, Applicants respectfully submit the rejection under first paragraph should also be withdrawn.

As the claims have been amended in a manner believed to be responsive to the rejections, Applicants respectfully request withdrawal of the rejections.

Conclusion

In view of the foregoing, reconsideration of the application, withdrawal of the outstanding rejections, allowance of Claims 1-3, and the prompt issuance of a Notice of Allowability are respectfully solicited.

Should the Examiner believe anything further is desirable in order to place this application in better condition for allowance, the Examiner is requested to contact the undersigned at the telephone number listed below.

In the event this paper is not considered to be timely filed, the Applicants respectfully petition for an appropriate extension of time. Any fees for such an extension, together with any additional fees that may be due with respect to this paper, may be charged to counsel's Deposit Account No. 01-2300, **referencing docket number 108179-00031.**

Respectfully submitted,
ARENT FOX PLLC

A handwritten signature in black ink, appearing to read 'MOZGU', is written over the printed name of the attorney.

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